



THE OHIO GEOLOGICAL SOCIETY



The Newsletter of the Ohio Geological Society

October 2007

An Affiliate (1963) of the American Association of Petroleum Geologists (AAPG)

2007-2008 Officers

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Thanks to the 2007 OGS Golf Outing sponsors!

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VIEW FROM THE 19TH HOLE

The annual OGS golf outing was held Thursday, September 20 at the Chapel Hill Golf Course, near Mt. Vernon, Ohio and, by all accounts, it was a rousing success. There were a record number of golfers, the weather was sunny and warm, the beverages cold, the food delicious, the course well-groomed, and the golf scores low (for the most part). A hearty thank you to the many sponsors whose financial support is critical to the success of this event. But as our public school system so aptly demonstrates, you can't just throw money at something and expect it to work. Another big thank you goes out to the hard-working, core group of volunteers who planned, organized, nurtured and executed this not-so-small undertaking.

In addition to the large number of prizes for all manner of golfing skills (I'll play when they have a club-throwing contest), there were lots of door prizes. If you didn't take something home from the prize table, you left before the drawing was over! At the OGS Golf Outing, everyone is a winner. In case you're wondering, the Golf Outing is not a fund-raiser. Our goal is not to lose money. Thanks once again to the organizers and volunteers, the sponsors, and the participants.

As hinted at by the abstract included with the announcements, we have a great presentation scheduled for the November meeting, so please plan to attend. For now, put a circle around November 8. Next month we'll remind you why you put it there, and give you several additional good reasons to get out of the office (or field) for a few hours to hear an interesting and informative talk as well as visit with old friends.

Frank Majchszak

Welcome New Members!

Sameer Baral	Denison University	Granville, OH
Craig Cox	Cox-Colvin & Associates, Inc.	Plain City, OH
Brent Huntsman	Terran Corporation	Beavercreek, OH

Ohio Geological Society Golf Outing
Chapel Hill Golf Course
Mount Vernon, Ohio



WINNERS (2007)

HOLE 1	Longest Drive	Steve Underwood
HOLE 2	Longest Drive LADIES	Vicki Stebel
HOLE 3	Closest to Pin	Doug Lamb
HOLE 4	Straightest Drive	Ken Pendley
HOLE 5	Closest 2 nd	Scott Bartlett
HOLE 6	Longest Drive	Scott Jackson
HOLE 7	Closest 2 nd	Ed Kuehnle
HOLE 8	Closest to Pin	Mark Gardner
HOLE 9	Longest Putt (PINK BALL)	Alison Nutter
HOLE 10	Longest Drive	Jud Byrd
HOLE 11	Longest Putt	Dale Jennings
HOLE 12	Closest to Pin	Kevin Richard
HOLE 13	Closest 2 nd (PINK BALL)	Andrew Welshanns
HOLE 14	Closest 3 rd	Dave Straub
HOLE 15	Closest to OGS Sign	Brad Posner
HOLE 16	Longest Putt	Steve Dessert
HOLE 17	Shortest Drive	Robin Lemberger
HOLE 18	Longest Drive	Matt Whitehead

WINNING TEAM SCRAMBLE (-13) Steve Underwood, Kim Clark, Mark Barnard, Dick Hickman

WINNING PINK LADY TEAM (82) Ralph Haefner, Phil Stone, Matt Whitehead, Ken Pendley

MOST HONEST TEAM (81) Brad Posner, Rick Cisler, Mark Andrew

**Michigan PTTC Satellite at the
Michigan Geological Repository for Research and
Education, Western Michigan University**

and the



MICHIGAN OIL AND GAS ASSOCIATION

Jointly present

Seizing Opportunities in a Mature Basin

October 18, 2007, 8:30am to 4:00pm
at the Otsego Club and Resort
Gaylord, Michigan

Program:

8:30-9:00--Registration, welcome and refreshments

9:00-9:40-- Tim Brock, Vice President of operations at NuEnergy Operating, Inc., and **Ken Moss**, Account Manager at Baker Atlas, will discuss NuEnergy's recent success in a Southern Niagaran Trend horizontal well that was previously sub-commercial. By pumping down a gamma ray/neutron log, pushing down perforating guns and further stimulation, the well responded very favorably. This novel approach may be applicable to other Niagaran horizontal wells that have good shows, yet produce poorly when completed conventionally. Tim has worked in the Basin for as a petroleum engineer for 28 years and Ken has worked in the Basin as a field engineer, in management and in sales for 31 years.

9:40-10:20—Michael Ohanian, Business Development Manager for CoilTrak services in the Lower 48 for Baker Hughes INTEQ in Oklahoma City, Oklahoma, will present an overview of coil tubing directional drilling using the INTEQ CoilTrak bottom hole assembly. The presentation will include worldwide case histories and applications for coil tubing directional drilling. Michael has 27 years' directional drilling experience with 4 years devoted specifically to PDC bit application as well as co-authoring SPE papers with topics including steerable PDC bits and short radius drilling.

10:20-10:45 Coffee break

10:45-11:20— James L. Coleman, Chief Scientist, U. S. Geological Survey, Eastern Energy Resources Team, Reston, VA, will present the results of the recent USGS resource allocation study of yet-to-be-discovered oil and natural gas resources beneath the waters of the U. S. Great Lakes. This study examined the petroleum potential of eight total petroleum systems (TPSs) and 13 stratigraphic intervals from the Precambrian to the Pennsylvanian in the Michigan and Appalachian Basins that extend beneath the five Great Lakes. Study results are compared with results from similar basin studies by the USGS in the Lower 48 States and Alaska. He will also discuss the USGS's on-line databases about Michigan oil and gas. Jim received BS degrees in geology and chemistry and an MS degree in geology from Mississippi State University. Prior to joining the USGS in 2003, he worked for 25 years for Amoco, BP-Amoco, and finally BP on basins in the Gulf Coast, Rocky Mountains, South America, Africa, Europe, and the Middle East on a variety of projects

ranging from infill drilling of tight gas sandstone reservoirs and coal-bed methane exploration to frontier basin evaluation and new country entry assessments.

11:20-11:55—William B. Harrison, Professor Emeritus, and Director of the Michigan Basin Core Research Laboratory, part of the Michigan Geological Repository for Research and Education (MGRRE) at Western Michigan University, will present an illustrated overview of the types of samples and subsurface data housed at MGRRE. He will also describe a case example where analysis of core and reservoir data can help in designing a waterflood enhanced recovery operation. Bill has more than 34 years' experience in research related to sedimentary geology, Michigan stratigraphy and petroleum geology. He is the founder of the Michigan Basin Core Research Laboratory (1982). He taught undergraduate and graduate students at Western Michigan University for 30 years. He continues to be active in research and outreach related to Michigan geology.

11:55-12:45 Lunch

12:45-1:20—Steve Wilson, Minerals & Mapping Unit Supervisor with the MDEQ, Geological Survey, will demystify their data on-line by showing how to interpret and export information. Steve has worked with publications, geologic outreach activities, computer systems development and applications, and web applications. PTTC members may recognize his name from the RasterLogs project for the Survey. Steve will discuss how these and more digital records will be available as part of the 'GeoWebFace' project, currently under development. Steve has a masters' degree in geology and has worked at the DEQ since 1975.

1:20-1:55—Pat Poli, Senior Staff Engineer in the Gas Operations Section of the Operations & Wholesale Markets Division, Michigan Public Service Commission, will present a summary of the on-line and off-line gas well data available from the MPSC. A description of what information is available, how to access it, how to export on-line data and examples of how the data may be used will be discussed. Topics covered will be an overview the docket section database used to retrieve case files and orders, permitted gas well lists, gas analyses, gas production files and annual statistics for permits issued and production. Pat has been with the Michigan Public Service Commission since 1989.

1:55-2:30—Russ Bols, Account manager for US corporate sales in Northeastern U.S. for IHS Energy, will present IHS' approach to gathering essential data that reveals drilling and completion activity as well as production data so that it is easy to use in exploration by independents. IHS works in conjunction with the state regulatory agencies in gathering the data. Additionally, experienced IHS scouts gather additional information which enhances their unique data sets. Russ has 35 years' experience in gathering and interpreting geological data.

2:30-2:45—Break

2:45-3:20—Annette Evans, President of Evans Geophysical Inc., will present an overview on why seismic data doesn't have to cost you anything. Learn how easy it is to trade data within our ever-growing Seismic Data Pools. Plus easy ways to get money back on your seismic investment, while putting money back into your exploration budget. Finally if you are having trouble selling a prospect, we can provide an easy no-cost solution to help. Annette has more than 23 years of experience in the seismic data brokerage, storage and speculative seismic acquisition business.

3:20-4:00—Dave Barnes, Associate Professor, Department of Geosciences, and research associate at the Michigan Geological Repository for Research and Education (MGRRE), Western Michigan University, will present an overview of ways that digital data, such as MDEQ-OGS well and raster log data, can be used in the Michigan petroleum industry. This presentation is an overview of the types of digital data that are currently available and some software applications that are useful for working with these data (Review, MS Excel,

MS Access, ESRI ArcGIS, and HIS Petra). The presentation should be considered an introduction for petroleum geologists with minimal experience in the use of PC work stations for mining and using digital data for petroleum geology investigations in the Michigan subsurface. Dave worked for Sohio Petroleum in the early 1980's, mostly on North Slope Alaska exploration and production. He is currently working on reservoir characterization of potential carbon Geostorage targets in the Michigan Basin; fracture-related, hydrothermal mineralization and the formation of dolostone hydrocarbon reservoirs in the Michigan basin; and assessment of groundwater resources and contaminant hydrogeology in Pennsylvanian bedrock aquifers, central Lower Michigan.

Workshop fee: \$119 if received by us by October 8. After that, it's \$139. You'll get a workbook, refreshments, and lunch. **Sorry, we can't "save" seats without payment.**

Cancellations: We'll refund in full for cancellations received by October 8. After that, we'll refund if a paid participant takes your place.

For engineers and others who need verification of PDH hours: Please let us know if you want a certificate. If so, you will get a certificate with a printed schedule showing to 6 PDH credits.

Location: the Otsego Club and Resort, 696 M-32 EAST, GAYLORD, MI Phone: **989-732-5181**

To register with a credit card by phone, please call Kathy Wright at (269) 387-5486 or Linda Harrison at (269) 387-8633. To register by e-mail, contact linda.harrison@wmich.edu.

To register by street mail or fax, please use the form below. Our FAX number is: (269) 387-5513.

Workshop Registration Form **Seizing Opportunities in a Mature Basin**

October 18, 2007, 8:30am to 4:00pm
at the Otsego Club and Resort, Gaylord, Michigan

NAME _____ (For your name tag)

COMPANY _____

STREET OR MAILING ADDRESS _____

CITY _____ STATE _____ ZIP _____

PHONE _____ E-MAIL _____

(Please print e-mail)

Engineers: Do you need a PDH certificate? _____

Workshop fee: \$119 if received by us by October 8. After that, it's \$139. You'll get a workbook, refreshments, and lunch. **Sorry, we can't "save" seats without payment.**

Cancellations: We'll refund in full for cancellations received by October 8. After that, we'll refund if a paid participant takes your place.

How are you paying? (Please check one payment type)

_____ **By Credit Card:** (please circle one card type) **Visa MasterCard ***
Card No. _____ Exp. Date _____

*Sorry, we can't take Discover or American Express.

_____ **By check**—made payable to "**WMU Geosciences Department**" and mail it to:
Workshop--Harrison
Geosciences Department
Western Michigan University
Kalamazoo, MI 49008-5241

OGS MEETING

Thursday, November 8th
Lunch at 11:30, talk at 12:30 pm.

Please RSVP for lunch to Chris Gordon at
chris.gordon@dnr.state.oh.us or 614-265-6594

The Midwest Hotel & Conference Center
4900 Sinclair Road
Columbus, OH 43229
<http://www.ramadahotelcolumbus.com/>

Roger McCready, CPG NCR Corporation will present:

Fox River PCB Contaminated Sediment Clean-up Project

Mr. McCready will be presenting the why, how and design challenges of this clean-up which is the largest proposed sediment remediation project in the United States to date.

NCR is one of seven potential responsible parties identified by USEPA for the remediation of the Fox River PCB contamination. Mr. McCready manages NCR's remediation projects.

CALENDAR

Information available for OGS meetings at: www.ohgeosoc.org or contact Chris Gordon at Chris.Gordon@dnr.state.oh.us, 614-265-6594.

- October 9 OOGA/SPE Fall Technical and Special Issues Conference, Akron/Fairlawn Hilton, Akron, OH. www.ooga.org/calendar/meetings.htm
- November 8 **OGS Luncheon Meeting**, Midwest Hotel & Conference Center, Columbus, OH.
- November 16 AIPG – Ohio Section Annual Meeting, www.aipg-ohio.org

Check the OGS website at www.ohgeosoc.org/otherevents.html or the PTTC website at <http://karl.nrcce.wvu.edu/calendar.htm> for other meetings and events.

Ohio Geological Society
P.O. Box 14304 • Columbus, OH 43214
<http://www.ohgeosoc.org/>

Ohio Geological Society Publications

The in-print publications of the Ohio Geological Society may be purchased from the Ohio Division of Geological Survey. Members of the Society receive a discount; the member price is in parentheses (M:). For more information on the Society, write the Ohio Geological Society, P.O. Box 14304, Columbus, OH 43214.

- OGS 1. Guidebook to the Middle Devonian rocks of north-central Ohio**, by A. Janssens. 30 p., 1970. \$2.50. (M: \$2.00).
- OGS 2. Geology of Silurian rocks, northwestern Ohio**, by C. F. Kahle and J. C. Floyd. Guidebook for First Annual Meeting, Eastern Section, American Association of Petroleum Geologists. 91 p., 1970. Out of print.
- OGS 3. Seminar on industrial self-help programs for natural gas supplies**, edited by Arie Janssens. 55 p., 15 figs., 1 table, 1977. \$3.50 (M: \$3.00).
- OGS 4. Clinton sandstone papers presented at the Ohio Oil and Gas Association Winter Meetings 1961 to 1978** (abridged reprint of 1980 volume). 228 p., 1985. \$25.00 (M: \$20.00).
- OGS 5. The new Clinton collection--1985**, edited by Jack Gray, Andy Maslowski, Warren McCullough, and W. E. Shafer (2nd printing). This edition includes a transcript of "Deeper Clinton-Medina drilling in southeastern Ohio" from a March 1986 Ohio Geological Society meeting. 257 p., 1985. \$25.00 (M: \$20.00).
- OGS 6. Principles of seismic exploration**. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 1987. Out of print.
- OGS 7. Computer-aided analysis of geologic data**, edited by Lawrence H. Wickstrom. A collection of papers from a seminar presented at the 1987 AAPG Eastern Section meeting. 100 p., 1987. \$15.00 (M: \$12.00).
- OGS 8. Maps and cross sections of the Cambrian and Lower Ordovician of central Ohio**, by G. G. Shearrow. 31 p., 8 pls., 1987. \$12.00 (M: \$10.00).
- OGS 9. An update on Ohio's subsurface geology**. Proceedings from the October 1993 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1993. \$25.00 (M: \$20.00).
- OGS 10. The Ohio Geological Society anthology, the Morrow County, Ohio "oil boom" 1961-1967 and the Cambro-Ordovician reservoir of central Ohio**, edited by William E. Shafer. 452 p., 1994. \$25.00 (M: \$20.00).
- OGS 11. Major natural gas plays of the Appalachian basin and surrounding areas**. Proceedings from the October 1994 technical symposium held in Canton, Ohio. 11 papers, separately paged, 1994. \$25.00 (M: \$20.00).
- OGS 12. Structural influences on oil and gas reservoirs**. Proceedings from the October 1995 technical symposium held in Canton, Ohio. 14 papers. 129 p., 1995. Out of print.
- OGS 13. Enhanced recovery--historical development and future potential in Ohio and the Appalachian Basin and Integration of geology and geophysics in exploration**. Proceedings from the October 1996 technical symposium held in Akron, Ohio. 16 papers. 209 p., 1996. \$25.00 (M: \$20.00).
- OGS 14. Ohio Geological Society Fifth Annual Technical Symposium**. Proceedings from the November 1997 technical symposium held in Akron, Ohio. 11 papers. 117 p., 1997. \$25.00 (M: \$20.00).
- OGS 15. Petroleum seismology in the digital age**. Course notes from the Ohio Geological Society's 3-D Seismic Seminar presented at the 1998 AAPG Eastern Section meeting. \$20.00 (M: \$15.00).
- OGS 16. Fossil collecting in the Silica Formation at Sylvania, Ohio**. Guidebook for the 1998 AAPG Eastern Section meeting. 16 p., 1998. \$7.00 (M: 6.00).
- OGS 17. Into the new millennium: The changing face of exploration in the Knox play**. Proceedings from the Sixth Annual Fall Symposium held in Akron, Ohio, October 1999. 16 papers. 120 p., 1999. \$25.00 (M: \$20.00).
- OGS 18. Exploration and Development of the Trenton-Black River of the Appalachian Basin**. Presentation workbook from the PTTC workshop held in Canton, Ohio, April 25, 2002. 10 papers. 2002. \$15.00 (M: \$10.00).

To order any of the Society's publications contact: The Geologic Records Center, Ohio Division of Geological Survey, 2045 Morse Road, Columbus, Ohio 43229-6693. Telephone (614) 265-6576. FAX: (614) 447-1918. E-mail: geo.survey@dnr.state.oh.us.